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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/602,353
	Filing Date	June 23, 2003
	First Named Inventor	Kwok
	Art Unit	2816
	Examiner Name	Le, Dinh Thanh
Total Number of Pages in This Submission	Attorney Docket Number	71748/7262

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

REMARKS:**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Individual name	Scott J. Menghini, Reg. No. 42,880
Signature	
Date	March 25, 2004

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Docket No. 71748/7262

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kwok

Application No.: 10/602,353

Filed: June 23, 2003

Title: RECTIFIER TYPE FREQUENCY
DOUBLER WITH HARMONIC
CANCELLATION

Art Unit: 2816

Examiner: Le, Dinh Thanh

Customer No.: 22242

Confirmation No.: 1703

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date shown below:

03/25/2004

Date


Scott J. Menghini

Registration No. 42,880

Attorney for Applicant

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is submitted:

X

Under 37 CFR §1.97(b) (within three months of the filing date of a national application or date of entry of an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last). However, should a first Office Action on the merits be mailed unbeknownst to the undersigned prior to the date of mailing of this paper, the fee requested under §1.17(p) may be charged to Deposit Account No. 06-1135.

IDS

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- ____ Under 37 CFR §1.97(c) together with either:
 - ____ a statement under 37 CFR §1.97(e), or
 - ____ a fee under 37 CFR §1.17(p)
(after the 37 CFR §1.97(b) time period, but before the mailing date of a final Action, a Notice of Allowance, or an action that otherwise closes prosecution).

- ____ Under 37 CFR §1.97(d) together with:
 - ____ a statement under 37 CFR §1.97(e), and
 - ____ a fee under 37 CFR §1.17(p)
(after the 37 CFR §1.97(c) time period, but on or before payment of the issue fee).

In accordance with the duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent Office of all patents, publications, applications and other information known by Applicants or Applicants' representative that may be material to the examination of the subject application, Applicants' representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 CFR §§ 1.97-1.98 and includes Form PTO-1449 with Nine (9) references listed as items AA-AI.

It is requested that the information provided herein be made of record in this application.

Dated: March 25, 2004

Respectfully submitted,



Scott J. Menghini

Reg. No. 42,880

Attorney for Applicant

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Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	10/602,353
	Filing Date	June 23, 2003
	First Named Inventor	Kwok
	Group Art Unit	2816
	Examiner Name	Le, Dinh Thanh
Sheet 1 of 1		Attorney Docket No. 71748/7262

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AA		4,931,921		Anderson	06-05-1990			05-30-1989
	AB		5,434,522		Fikart et al.	07-18-1995			09-08-1993
	AC		6,348,830	B1	Rebeiz et al.	02-19-2002			05-08-2000

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AD		<i>Frequency Doublers</i> , http://www.minicircuits.com/appnote/doub9-2.html , Mini-Circuits, printed October 25, 2001, Four (4) pages
	AE		HIRASUNA, BRIAN et al., #PSPA023: <i>Using Multipliers for Signal Processing</i> , http://www.pspice.com/upload/appnotes/PSPA023.html , printed November 29, 2001, Three (3) pages
	AF		IEEE Transactions on Circuits and Systems-I: Fundamental Theory and Applications, September 1992, p. 773, Vol. 39, No. 9
	AG		KIMURA, KATSUJI et al., <i>Frequency Mixer with a Frequency Doubler for Integrated Circuits</i> , IEEE Journal of Solid-State Circuits, September 1994, Vol. 29, No. 9, pp. 1133-1137
	AH		KIMURA, KATSUJI, <i>A Bipolar Four-Quadrant Analog Quarter-Square Multiplier Consisting of Unbalanced Emitter-Coupled Pairs and Expansions of Its Input Ranges</i> , IEEE Journal of Solid-State Circuits, January, 1994, p. 46, Vol. 29, No.1
	AI		LAUTE, DR. ANDREAS, <i>Upgrading a 434-MHz Transmitter IC to 868 MHz</i> , Applied Microwave & Wireless, July/August 1988, pp. 68, 70, 72-73

Examiner Signature		Date Considered	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			